

INFORMATION ABOUT THE PERSON FILLING THE FORM	
Name and family name	Juan Martínez de Aragón
Research organization	Forest Sciences Centre of Catalonia
Position in the organization	Researcher
Country	Spain
E-mail	mtzda@ctfc.es
EXPERIMENTAL SITE ¹	
Name of the site	<i>PNIN de Poblet "Paratje Natural d'Interès Nacional de Poblet" – "Natural Park of National Interest in Poblet"</i> No URL address
Location of the site	<i>Spain</i> <i>Les Masies, s/n - 43440 L'Espluga de Francolí</i> <i>41° 21' 6.4728" latitude and 1° 2' 25.7496" longitude</i>
Start date	<i>2007</i>
Characteristics of the forest ecosystem where it is located	<i>Most relevant features:</i> <ul style="list-style-type: none"> - <i>Vegetation: Pinus pinaster, P. sylvestris, P. nigra, P. halepensis y Quercus ilex</i> - <i>Soil characteristics: siliceous soil, with sandy loam- textures</i> - <i>Mean annual temperature: 13,2°C</i> - <i>Mean annual rainfall: 600mm</i> - <i>Altitude, slope, aspect: altitudes (between 400 and 1201m) and slopes (between 3 and 23%); includes all aspects</i> - <i>Others: Mediterranean climate with continental pockets; 2,276 ha total</i>
Keywords	<i>Mushrooms productivity, fungal diversity, Forest modelling, Fungal succession, Adaptive silviculture, Optimal forest management</i>
Scientific characteristics	<i>Monitor and quantify the production and diversity of mushrooms from forests of PNIN in Poblet; Study the fungal succession and effects of climate change on this resource; Evaluate the effects of forest management on the production and diversity of mushrooms; Develop predictive models of mushroom production and diversity according to the forest type or species; Establish regional scenarios of mushroom production and diversity based on management and climate factors.</i> <i>Interest for users: Well-described extensive forest park with annual mushroom inventory data since 2007 when a network of permanent plots was established; The database is updated at the completion of each autumn mushroom season and provides production and diversity data for mushrooms in these forests. The area includes forest plots where five different tree-thinning intensities have been applied in order to evaluate the effects of forest thinning on the production and diversity of forest fungi.</i> <i>Particularities in comparison to others sites: Mediterranean climate with pockets of continental conditions; Mycological information every week in autumn.</i> <i>Research projects in the frame of which the experimental site is used:</i> <i>Mycosylva+ (http://www.micosylva.com)</i> <i>Startree (http://star-tree.eu)</i> <i>Sylvamed (http://www.sylvamed.eu)</i>

¹ Note: This information could be published in the webpage of FORESTERRA.

Experimental site. An experimental site is located in the field. Natural conditions are measured but not controlled and therefore, natural or artificial events can impact



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Technical characteristics	<p><i>Detailed description:</i> 30 permanent plots in a 50 year-old Pinus pinaster stands; 100m² area (10m x 10m) each one. 15 are control Pinus pinaster plots established in 2007, and 15 are Pinus pinaster thinning treated established and treated in 2008. Thinned plots had the same forest stand characteristics as the first 15 plots. Five different thinning intensities have been randomly applied to the treated plots. 1 Meteorological weather station and 28 data loggers with soil and air moisture/temperature sensors</p>
	<p><i>Measured parameters:</i> Fresh and dried weight of mushrooms and number of sporocarps; Soil and air temperature/moisture, sun radiation, precipitation, wind speed and direction</p>
	<p><i>If there is any file, map or images relevant about this infrastructure, please attach them.</i></p>

SCIENTISTS AND/OR TECHNICIANS IN CHARGE OF THE INFRASTRUCTURE

Principal investigator	José Antonio Bonet, jantonio.bonet@ctfc.es
One additional line per person	Juan Martínez de Aragón, mtzda@ctfc.es

ADMINISTRATIVE INFORMATION

Availability for participating in mutual measurements	Yes José Antonio Bonet, jantonio.bonet@ctfc.es
	Collaborative project
Availability for accessing the data collected	Yes José Antonio Bonet, jantonio.bonet@ctfc.es
	The use and/or participation in the PNIN database shall be negotiated with the institutions or individuals who wish to use or participate. Just in the context of a collaborative project
Institution that manages the site	Centre Tecnològic Forestal de Catalunya (Forest Sciences Centre of Catalonia)
	www.ctfc.cat
Institution that manages the data	Centre Tecnològic Forestal de Catalunya (Forest Sciences Centre of Catalonia)
	www.ctfc.cat
Is the site participating in a national or international Network?	Micosylva+
	http://www.micosylva.com
Is the site open for transnational collaboration?	Yes, collaborative project, the use and/or participation in the PNIN site shall be negotiated with the institutions or individuals who wish to use or participate in site studies.